

**REMARKS**

Consideration and entry of this paper, and reconsideration and withdrawal of any and all objections to and rejections of the application, and allowance of the claims, especially in view of the amendments and remarks made herein, are respectfully requested.

**I. Status of the Claims and Formal Matters**

Claims 52-81 are pending in this application. In the Amendment filed on February 3, 2004 claims 52-54, 56-58, 64-65, and 67-69 were amended, claim 66 was cancelled, and new claims 70-81 were added. By this paper, Figures 1-10, and SEQ ID NO:s 6-12 and 14-18, are cancelled.

These amendments have been made simply for clarification and to place the claims in condition for allowance. No new matter has been added by these amendments. The amendments presented herein, are not made for purposes of patentability within the meaning of 35 U.S.C. §§§§ 101, 102, 103 or 112. Rather, these amendments are made simply for clarification and to round out the scope of protection to which Applicants are entitled.

**II. Specification**

The Final Office Action objected to Figures 1-10, alleging that these constitute new matter because they each recite sequences that were not supported by the specification of the international application as originally filed. The Examiner requested cancellation of what she believed to be this new matter. By this paper Figures 1-10 are cancelled, thereby overcoming this objection.

III. Sequence Listing

The Final Office Action objected to the inclusion of SEQ ID NOs 6-12 and 14-18 in the present application, alleging that the sequences were not supported by the specification of the international application as originally filed. By this paper SEQ ID NOs 6-12 and 14-18 are cancelled, thereby overcoming this objection.

In accordance with the sequence rules, a replacement sequence listing and CRF canceling SEQ ID NOs 6-12 and 14-18, is submitted herewith. Consequently, it is believed that entry of this amended Sequence Listing raises no issues of new matter and that entry of the Sequence Listing is proper.

The Statements required by 37 C.F.R. §1.821(f) and (g) are set forth below.

Pursuant to 37 C.F.R. §1.821 (g), the undersigned hereby states that this submission, filed in accordance with 37 C.F.R. §1.821 (g), does not contain new matter.

Pursuant to 37 C.F.R. §1.821 (f), the undersigned hereby states that the content of the paper and computer readable copies of the Sequence Listing submitted in accordance with 37 C.F.R. §1.821 (c) and (e), respectively, are the same.

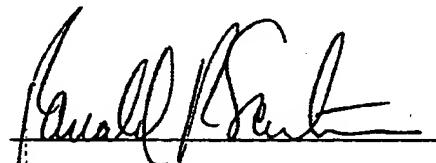
**CONCLUSION**

In view of the remarks and amendments herewith, the application is believed to be in condition for allowance. Favorable reconsideration of the application and prompt issuance of a Notice of Allowance are earnestly solicited. The Commission is authorized to charge any fee occasioned by this paper, or credit any overpayment of such fees, to Deposit Account No. 50-0320.

Respectfully submitted,

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